

**City of Newton  
Specifications for a  
Doppstadt SM514 Trommel Screen or Equivalent  
Minimum Bid Specifications**

**Equipment**

One (1) current and latest year and model production Doppstadt SM514 or equivalent with the following minimum specifications. Any additions, deletions or variations from the following specifications must be noted. Any additions, deletions or variations from the manufacturer's regular specifications must be outlined in an attached letter.

**Freight**

All freight to be F.O.B., City of Newton, Public Works Department Garage, 110 Crafts St., Newtonville, MA. 02458

**BIDDER (Name of firm)** \_\_\_\_\_

**AUTHORIZED SIGNATURE** \_\_\_\_\_

**TITLE OF PERSON SIGNING** \_\_\_\_\_

**DATE** \_\_\_\_/\_\_\_\_/\_\_\_\_

Unit bid shall be currently advertised and produced model with all the latest standard features whether or not called for in these specifications. Standard equipment shall be defined in current manufacturer's literature. (Provide current brochure / specifications of the unit bid)

- Drum size – approx 5' diameter x 14' long.
- Complete with 1" punch plate drum.
- Two central-axle trailer chassis with ABS.
- Tires 355/65 R18.
- 50mm CE-trailer coupling ring including slip – on coupling.
- Caterpillar C 2.2 diesel motor, 41hp at 2000 RPM.
- Engine swings out at 90 degrees for ease of access from ground.
- Vandal proof doors all round machine for protection of engine and running parts.
- Four (4) separate pumps are used to drive the drum, feed, fines discharge conveyors ensuring maximum flexibility, cooler hydraulic temperatures and efficient use of horsepower.
- Hydraulic tank has separate outlets and intakes for each pump with separate filtration system.
- Chain and sprocket drum drive prevents slipping when wet.
- Single – piece punch plate drum design limits blinding and spearing.
- Drum includes spiral / flight arrangement to move material while operating horizontally.
- Drive chain is welded to drum – makes drum change straightforward.
- Drum side door swings open at 120 degrees to enable straightforward drum change.
- Drum design maximizes number of holes for unrivalled production.
- Patented continual load sensing in the drum ensures optimal efficiency and maximum production rates.
- Adjustable drum speed (0-21 RPM).
- Adjustable feed belt speed (0-21 ft per minute).
- Hydraulically tensioned cleaning brushes with individual brush elements and scrapers.
- Cleaning brush penetration can be adjusted with pin and shim arrangement at each end of brush frame.
- Side impact protection.
- Fuel consumption is approximately 1.5 gph.
- Paint: 2-component paint RAL 2011, deep orange.
- Central lubrication points.
- Fines conveyor 9' 10" long, 24" wide (optional 16' 5" long).
- Over's conveyor 9' 10" long, 32" wide (optional 16' 5" long).
- Fines and over's conveyors are hydraulically foldable.

- All conveyor belts are vulcanized.
- Emergency stop switches beside fines and over's conveyors.
- Master control key to lockout battery power.
- Hopper capacity approx 4.4 cubic yards.
- Hopper feed height 8' 6".
- Hopper length 10' 8".
- Hopper feed belt is vulcanized with integral steel chord for maximum life.
- Modular design enables replacement of belts with vulcanized belts.
- Machine weight approx 23,150 lbs.
- Transport length 34' 4".
- Transport width 7' 2".
- Operation and maintenance manuals.
- Parts information on computer disk.
- Parts disk includes electrical and hydraulic schematics.
- Standard warranty term is 1 year or 1,000 hours.
- Machine set up time is 5 minutes from transport mode to work mode.

**TOTAL BASE BID**

**\$** \_\_\_\_\_

**Delivery:** Specify availability and delivery date.

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